ELSEVIER

Marine Micropaleontology 34 (1998) 255–261

MARINE MICROPALEONTOLOGY

# Subject Index
# Marine Micropaleontology
# Volumes 32–34

absolute age *see* C-14
absolute dating *see* absolute age
**acritarchs**
  Arctic Ocean, stratigraphy 34(1-2) 1-27
actual age (absolute age) *see* absolute age
**Adriatic Sea**
  Invertebrata 34(1-2) 91-106
**Africa** *see also* North Africa
  Invertebrata, Congo River 33(1-2) 27-53
**algae**
  calcareous algae, Ireland 34(3-4) 187-211
  Coccolithophoraceae
    China 32(1-2) 31-57
    Pacific Ocean 32(1-2) 155-172
  Coccolithus, Atlantic Ocean 34(1-2) 47-70
  diatoms, Antarctic Ocean 32(3-4) 209-229
  Emiliania huxleyi, Atlantic Ocean 34(1-2) 47-70
  Gephyrocapsa oceanica, Atlantic Ocean 34(1-2) 47-70
  nannofossils
    Antarctic Ocean 32(3-4) 387-395; 33(3-4) 241-272
    Atlantic Ocean 34(1-2) 47-70
    China 32(1-2) ; 32(1-2) 31-57
    Pacific Ocean 32(1-2) 155-172; 32(3-4) 341-363
    South China Sea 32(1-2) 95-114
alkaline earth metals *see* magnesium
**alkenones**
  South China Sea, Quaternary 32(1-2) 71-94
**Alpha Cordillera**
  stratigraphy 34(1-2) 1-27
**Amerasia Basin**
  Conodonta 32(3-4) 365-385
**Ammonia beccarii**
  France 34(3-4) 235-244
  Korea, Quaternary 34(1-2) 71-89
**Ammonia ketienziensis**
  Quaternary 34(1-2) 71-89
**Ammonia tepida**
  paleontology 34(3-4) 235-244
**Ammonoidea**
  China, stratigraphy 32(1-2) 3-29
**Amphistegina**
  Florida 34(1-2) 107-115
analogues, modern *see* modern analogs
**Angola Basin**
  Invertebrata 32(3-4) 249-287
Antarctic Continent *see* Antarctica
**Antarctic Ocean** *see also* Kerguelen Plateau; ODP Site 748; ODP Site 751
  Invertebrata, Prydz Bay 32(3-4) 231-248
  paleobotany
    Bellingshausen Sea 32(3-4) 387-395
    Bransfield Strait 32(3-4) 387-395
    Prydz Bay 32(3-4) 209-229
    Weddell Sea 32(3-4) 387-395
**Antarctica**
  Invertebrata 32(3-4) 231-248
  paleobotany 32(3-4) 209-229
**aragonite**
  South China Sea, Quaternary 32(1-2) 115-126
**Arctic Archipelago**
  Conodonta 32(3-4) 365-385
**Arctic Ocean**
  34(3-4) 153-185
  Conodonta, Amerasia Basin 32(3-4) 365-385
  stratigraphy, Alpha Cordillera 34(1-2) 1-27
Arthropoda *see* Mandibulata
Asia *see* Far East
**Astrononion italicum**
  Quaternary 34(1-2) 71-89
**Atlantic Ocean** *see also* North Atlantic
  33(3-4) 223-240; 34(3-4) 213-234
  Invertebrata 33(1-2) 27-53; 34(1-2) 29-46
    Angola Basin 32(3-4) 249-287
    Cape Basin 32(3-4) 249-287
    Rio Grande Rise 32(3-4) 289-310
    Walvis Ridge 32(3-4) 249-287
  Pliocene 33(3-4) 203-222
  Quaternary 33(1-2) 1-25; 34(1-2) 47-70
  stratigraphy 33(1-2) 55-86; 33(1-2) 109-156
Australasia *see* New Zealand
**Banda Sea**
  Quaternary 32(3-4) 311-340
  Radiolaria 33(3-4) 299-307
**Barnstable County Massachusetts**
  ecology 33(3-4) 175-202
**basins**
  China, stratigraphy 32(1-2) 31-57
**Bay of Bourgneuf**
  paleontology 34(3-4) 235-244
**Bellingshausen Sea**
  paleobotany 32(3-4) 387-395
**biodiversity**
  Atlantic Ocean, stratigraphy 33(1-2) 55-86
biogenic structures *see* bioturbation
**biogeography**
  Antarctic Ocean
    paleobotany 32(3-4) 387-395
    Pliocene 33(3-4) 241-272
  Arctic Ocean 34(3-4) 153-185
  Atlantic Ocean 33(3-4) 223-240

0377-8398/98/$19.00 © 1998 Elsevier Science B.V. All rights reserved.

Invertebrata 32(3-4) 249-287; 33(1-2) 27-53
Pliocene 33(3-4) 203-222
**biologic evolution**
Antarctic Ocean, Pliocene 33(3-4) 241-272
Atlantic Ocean, Pliocene 33(3-4) 203-222
Vertebrata 34(3-4) 247-251
biological diversity *see* biodiversity
biological zones *see* biozones
**biomineralization** 34(1-2) 107-115
**biostratigraphy** *see also* biozones; nannofossils; paleoecology
Arctic Ocean 34(1-2) 1-27
New Zealand 34(3-4) 245-247
Northwest Territories 32(3-4) 365-385
**bioturbation**
Connecticut, ecology 33(3-4) 175-202
Massachusetts, ecology 33(3-4) 175-202
**biozones**
China, stratigraphy 32(1-2) 31-57
stratigraphy 33(1-2) 109-156
**blind tests**
Tunisia, Invertebrata 32(3-4) 397-399
**book reviews**
New Zealand, stratigraphy 34(3-4) 245-247
Vertebrata 34(3-4) 247-251
boundaries, stratigraphic *see* stratigraphic boundary
**Bransfield Strait**
paleobotany 32(3-4) 387-395
**Bryozoa**
Ireland, stratigraphy 34(3-4) 187-211
Buliminacea *see* Uvigerinidae
C *see* carbon
**C-13/C-12**
Atlantic Ocean
Invertebrata 34(1-2) 29-46
Quaternary 33(1-2) 1-25
stratigraphy 33(1-2) 55-86
Korea, Quaternary 34(1-2) 71-89
South China Sea, Quaternary 32(1-2) 71-94; 32(1-2) 115-126
**C-14**
Korea, Quaternary 34(1-2) 71-89
Pacific Ocean, paleontology 32(3-4) 341-363
South China Sea, Quaternary 32(1-2) 71-94
Ca/Sr *see* Sr/Ca
**calcareous algae**
Ireland, stratigraphy 34(3-4) 187-211
calcareous nannofossils *see* nannofossils
**Calcisphaerulidae**
China, stratigraphy 32(1-2) 3-29
**calcium**
Sr/Ca
Antarctic Ocean 32(3-4) 231-248
Coral Sea 32(3-4) 231-248
**calcium carbonate**
Atlantic Ocean, Quaternary 33(1-2) 1-25
**Calpionella**
China, stratigraphy 32(1-2) 3-29
**Campanian**
Arctic Ocean 34(1-2) 1-27
Canada *see* Northwest Territories
Canton River *see* Zhujiang River
**Cape Basin**
Invertebrata 32(3-4) 249-287
**Cape Darnley**
paleobotany 32(3-4) 209-229
**carbon**
Atlantic Ocean, Invertebrata 32(3-4) 249-287
C-13/C-12
Atlantic Ocean 33(1-2) 1-25; 33(1-2) 55-86; 34(1-2) 29-46
Korea 34(1-2) 71-89
South China Sea 32(1-2) 71-94; 32(1-2) 115-126
C-14
Korea 34(1-2) 71-89
Pacific Ocean 32(3-4) 341-363
South China Sea 32(1-2) 71-94
organic carbon, Atlantic Ocean 32(3-4) 289-310
carbon-14 *see* C-14
**carbonate compensation depth**
Indian Ocean, marine geology 34(3-4) 121-151
Pacific Ocean, Quaternary 32(1-2) 155-172
South China Sea, Quaternary 32(1-2) 115-126
**carbonate sediments**
Red Sea, Quaternary 33(1-2) 87-107
carbonates *see* aragonite
**Carboniferous**
Visean, Ireland 34(3-4) 187-211
Cenozoic *see* Quaternary; Tertiary
Central Africa *see* Congo River
Cephalopoda *see* Tetrabranchiata
**Cerodinium leptodermum**
stratigraphy 34(1-2) 1-27
**Chatham Rise**
paleontology 32(3-4) 341-363
**China** *see also* Guangdong China; Xizang China
stratigraphy 32(1-2)
**China Sea**
Quaternary 32(1-2) 155-172
chorology *see* biogeography
**Cibicides**
Antarctic Ocean 32(3-4) 231-248
Coral Sea 32(3-4) 231-248
**Cibicides refulgens**
Invertebrata 32(3-4) 231-248
**Cibicides wuellerstorfi**
Invertebrata 32(3-4) 231-248
clastic sediments *see* mud
**climate change**
Atlantic Ocean
Quaternary 34(1-2) 47-70
stratigraphy 33(1-2) 55-86
Red Sea, Quaternary 33(1-2) 87-107
climatology, paleo- *see* paleoclimatology
**Coccolithophoraceae** *see also* Coccolithus; Emiliania huxleyi; Gephyrocapsa oceanica
China, stratigraphy 32(1-2) 31-57
Pacific Ocean, Quaternary 32(1-2) 155-172
**Coccolithus**
Atlantic Ocean, Quaternary 34(1-2) 47-70
**Coccolithus pelagicus**
Quaternary 34(1-2) 47-70
**Comasphaeridium**
stratigraphy 34(1-2) 1-27
**Congo River**
Invertebrata 33(1-2) 27-53
**Congo River plume**
Invertebrata 33(1-2) 27-53
**Connecticut**
ecology, Middlesex County Connecticut 33(3-4) 175-202
**Conodonta**
Northwest Territories 32(3-4) 365-385
**constant sum constraint**
Indian Ocean, Invertebrata 34(1-2) 117-120
**continental crust**
Northwest Territories, Conodonta 32(3-4) 365-385
**continental slope**
Pacific Ocean, Quaternary 32(1-2) 155-172
continental type *see* continental crust
coral reefs *see* reefs
**Coral Sea**
Invertebrata 32(3-4) 231-248
Quaternary 32(3-4) 311-340
**Cretaceous**
Atlantic Ocean 34(1-2) 29-46
Campanian, Arctic Ocean 34(1-2) 1-27
China 32(1-2) ; 32(1-2) 3-29
K-T boundary
Atlantic Ocean 33(1-2) 55-86
New Zealand 34(3-4) 245-247
Tunisia 32(3-4) 397-399; 32(3-4) 399
Maestrichtian
Arctic Ocean 34(1-2) 1-27
Atlantic Ocean 33(1-2) 55-86
Cretaceous-Tertiary boundary *see* K-T boundary
**Crete**
stratigraphy 33(3-4) 273-297

**Cribrononion subincertum**
Quaternary 34(1-2) 71-89
**crust**
continental crust, Northwest Territories 32(3-4) 365-385
Crustacea *see* Ostracoda
currents *see* ocean currents
Deep Sea Drilling Project *see* IPOD; Leg 3; Leg 44
**deglaciation**
South China Sea, Quaternary 32(1-2) 71-94; 32(1-2) 95-114
depth of compensation *see* carbonate compensation depth
**diatoms**
Antarctic Ocean 32(3-4) 209-229
Dinantian *see* Visean
**Dinoflagellata**
Arctic Ocean, stratigraphy 34(1-2) 1-27
Atlantic Ocean, Quaternary 33(1-2) 1-25
Greece, stratigraphy 33(3-4) 273-297
Dong Hai *see* East China Sea
**DSDP Site 21**
stratigraphy 33(1-2) 55-86
**DSDP Site 390**
Invertebrata 34(1-2) 29-46
**DSDP Site 525**
stratigraphy 33(1-2) 55-86
**DSDP Site 552**
Pliocene 33(3-4) 203-222
**DSDP Site 594**
paleontology 32(3-4) 341-363
**East China Sea**
Ostracoda 32(1-2) 195-207
**East Indian Ocean**
marine geology 34(3-4) 121-151
East Mediterranean *see* Adriatic Sea
**Echinodermata**
Ireland, stratigraphy 34(3-4) 187-211
**ecology** *see also* biogeography; reefs
Adriatic Sea, Invertebrata 34(1-2) 91-106
Atlantic Ocean, Invertebrata 34(1-2) 29-46
Connecticut 33(3-4) 175-202
Indian Ocean, marine geology 34(3-4) 121-151
Massachusetts 33(3-4) 175-202
North Sea, Invertebrata 34(1-2) 91-106
Pacific Ocean 33(3-4) 157-174
economic geology *see* peat
Ectoprocta *see* Bryozoa
**Eemian**
Atlantic Ocean 34(1-2) 47-70
Eire *see* Ireland
**El Kef Tunisia**
Invertebrata 32(3-4) 397-399; 32(3-4) 399
**El Nino**
Pacific Ocean 33(3-4) 157-174
**Elphidium**
Korea, Quaternary 34(1-2) 71-89
**Elphidium advenum**
Quaternary 34(1-2) 71-89
**Emiliania huxleyi**
Atlantic Ocean, Quaternary 34(1-2) 47-70
environmental geology *see* ecology
**Eocene**
China 32(1-2) 31-57
Eogene *see* Paleogene
Europe *see* Southern Europe; Western Europe
Far East *see* China; Korea
**first occurrence**
Antarctic Ocean, Pliocene 33(3-4) 241-272
China, stratigraphy 32(1-2) 31-57
**Florida**
Invertebrata, Florida Keys 34(1-2) 107-115
**Florida Keys**
Invertebrata 34(1-2) 107-115
**Florisphaera profunda**
Quaternary 34(1-2) 47-70
**Foraminifera** *see also* Miliolina; Rotaliina 34(3-4) 247-251
Arctic Ocean 34(3-4) 153-185
Atlantic Ocean 32(3-4) 249-287; 32(3-4) 289-310; 33(1-2) 27-53; 33(3-4) 223-240; 34(1-2) 29-46; 34(3-4) 213-234
stratigraphy 33(1-2) 55-86
China, stratigraphy 32(1-2) ; 32(1-2) 3-29
Connecticut, ecology 33(3-4) 175-202
Indian Ocean 34(1-2) 117-120
marine geology 34(3-4) 121-151
Ireland, stratigraphy 34(3-4) 187-211
Massachusetts, ecology 33(3-4) 175-202
Pacific Ocean 32(3-4) 341-363; 33(3-4) 157-174
Quaternary 32(1-2) 59-69
Red Sea, Quaternary 33(1-2) 87-107
South China Sea, Quaternary 32(1-2) 71-94; 32(1-2) 127-154
Tunisia 32(3-4) 397-399; 32(3-4) 399
Vanuatu, Quaternary 32(3-4) 311-340
**France**
paleontology, Bay of Bourgneuf 34(3-4) 235-244
Franklin District Northwest Territories *see* Arctic Archipelago
**functional morphology**
France, paleontology 34(3-4) 235-244
Gastropoda *see* Pteropoda
Gaussberg-Kerguelen Ridge *see* Kerguelen Plateau
geochronology *see* absolute age; Cretaceous; Eocene; Holocene; Neogene; Oligocene; Paleogene; Paleozoic; Pleistocene; Pliocene; Quaternary; Triassic
geological oceanography *see* marine geology
**geomagnetic polarity time scale**
stratigraphy 33(1-2) 109-156
geomorphology *see* glacial geology; sea-level changes
**Gephyrocapsa muellerae**
Quaternary 34(1-2) 47-70
**Gephyrocapsa oceanica**
Atlantic Ocean, Quaternary 34(1-2) 47-70
glacial maximum, last *see* last glacial maximum
**glaciation** *see also* deglaciation
Atlantic Ocean
Pliocene 33(3-4) 203-222
Quaternary 33(1-2) 1-25
glaciology *see* glacial geology
**global warming**
Antarctic Ocean, Pliocene 33(3-4) 241-272
Globigerinacea *see* Globorotaliidae
**Globoconella**
Pliocene 33(3-4) 203-222
**Globorotalia**
Atlantic Ocean, Pliocene 33(3-4) 203-222
**Greece**
stratigraphy, Crete 33(3-4) 273-297
**Guangdong China**
stratigraphy, Zhujiang River 32(1-2) 31-57
**Hanzawaia nipponica**
Quaternary 34(1-2) 71-89
Heard Plateau *see* Kerguelen Plateau
**Heinrich events**
Atlantic Ocean, Quaternary 34(1-2) 47-70
**Helicosphaera carteri**
Quaternary 34(1-2) 47-70
**Hexacontium**
Radiolaria 33(3-4) 299-307
**Holocene**
33(1-2) 109-156
Antarctic Ocean 32(3-4) 231-248; 32(3-4) 387-395
Atlantic Ocean 32(3-4) 249-287; 33(3-4) 223-240
China 32(1-2)
Connecticut 33(3-4) 175-202
Coral Sea 32(3-4) 231-248
East China Sea 32(1-2) 195-207
Korea 34(1-2) 71-89
Massachusetts 33(3-4) 175-202
Pacific Ocean 32(1-2) 59-69; 32(1-2) 155-172; 33(3-4) 157-174; 33(3-4) 299-307
South China Sea 32(1-2) 71-94; 32(1-2) 95-114; 32(1-2) 115-126; 32(1-2) 127-154; 32(1-2) 173-194
Yellow Sea 32(1-2) 195-207
Hwang Hai *see* Yellow Sea
**ichnofacies**
China, stratigraphy 32(1-2) 3-29
**ichnofossils**
China, stratigraphy 32(1-2) 3-29

**Indian Ocean** *see also* Red Sea
Invertebrata 34(1-2) 117-120
marine geology, East Indian Ocean 34(3-4) 121-151
stratigraphy 33(1-2) 109-156
Indonesian Seas *see* Banda Sea
Invertebrata *see* Arthropoda; Bryozoa; Echinodermata; Mollusca; Protista
IPOD *see* Leg 74; Leg 81; Leg 90
**Ireland**
stratigraphy 34(3-4) 187-211
**isotopes**
C-13/C-12
Atlantic Ocean 33(1-2) 1-25; 33(1-2) 55-86; 34(1-2) 29-46
Korea 34(1-2) 71-89
South China Sea 32(1-2) 71-94; 32(1-2) 115-126
C-14
Korea 34(1-2) 71-89
Pacific Ocean 32(3-4) 341-363
South China Sea 32(1-2) 71-94
O-18/O-16
Antarctic Ocean 33(3-4) 241-272
Atlantic Ocean 33(1-2) 1-25; 33(1-2) 55-86; 33(3-4) 203-222; 33(3-4) 223-240; 34(1-2) 29-46; 34(1-2) 47-70
Korea 34(1-2) 71-89
Red Sea 33(1-2) 87-107
South China Sea 32(1-2) 71-94; 32(1-2) 115-126; 32(1-2) 127-154
Vanuatu 32(3-4) 311-340
**K-T boundary**
Atlantic Ocean 33(1-2) 55-86
New Zealand 34(3-4) 245-247
Tunisia 32(3-4) 397-399; 32(3-4) 399
Kef Tunisia *see* El Kef Tunisia
**Kerguelen Plateau**
Pliocene 33(3-4) 241-272
**ketones** *see also* alkenones
South China Sea, Quaternary 32(1-2) 95-114
Kongo River *see* Congo River
**Korea**
Quaternary 34(1-2) 71-89
**Krithe**
Ostracoda 32(1-2) 195-207
**La Nina** 33(3-4) 157-174
**last glacial maximum**
Vanuatu, Quaternary 32(3-4) 311-340
**Leeuwin Current**
Quaternary 32(3-4) 311-340
Leg 3 *see* DSDP Site 21
Leg 44 *see* DSDP Site 390
Leg 74 *see* DSDP Site 525
Leg 81 *see* DSDP Site 552
Leg 90 *see* DSDP Site 594
Leg 108 *see* ODP Site 659; ODP Site 665
Leg 120 *see* ODP Site 748; ODP Site 751
Leg 134 *see* ODP Site 828
**lower Paleocene** *see also* K-T boundary 33(1-2) 109-156
**lysoclines**
Indian Ocean, marine geology 34(3-4) 121-151
Pacific Ocean, Quaternary 32(1-2) 155-172
South China Sea, Quaternary 32(1-2) 95-114
**Maestrichtian**
Arctic Ocean 34(1-2) 1-27
Atlantic Ocean 33(1-2) 55-86
**magnesium**
Antarctic Ocean, Invertebrata 32(3-4) 231-248
Coral Sea, Invertebrata 32(3-4) 231-248
Mandibulata *see* Crustacea
**marine geology**
Indian Ocean 34(3-4) 121-151
**marine sedimentation**
Antarctic Ocean, paleobotany 32(3-4) 209-229
**marine sediments**
Antarctic Ocean, paleobotany 32(3-4) 387-395
Arctic Ocean 34(3-4) 153-185
Atlantic Ocean 33(3-4) 223-240; 34(3-4) 213-234
Invertebrata 32(3-4) 249-287
East China Sea, Ostracoda 32(1-2) 195-207
Pacific Ocean
paleontology 32(3-4) 341-363
Quaternary 32(1-2) 155-172
Red Sea, Quaternary 33(1-2) 87-107
South China Sea, Radiolaria 32(1-2) 173-194
Vanuatu, Quaternary 32(3-4) 311-340
Yellow Sea, Ostracoda 32(1-2) 195-207
**Marlborough New Zealand**
stratigraphy 34(3-4) 245-247
marshes *see* salt marshes
**Massachusetts**
ecology, Barnstable County Massachusetts 33(3-4) 175-202
Mediterranean Sea *see* Crete; East Mediterranean
Melanesia *see* Vanuatu
Mesozoic *see* Cretaceous; Triassic
**Messinian**
Greece 33(3-4) 273-297
metals *see* alkaline earth metals
Mg *see* magnesium
microfossils *see* Conodonta
**Middlesex County Connecticut**
ecology 33(3-4) 175-202
**Milankovitch theory**
Greece, stratigraphy 33(3-4) 273-297
Miliolacea *see* Quinqueloculina
Miliolina *see* Miliolacea
**Miocene**
Messinian, Greece 33(3-4) 273-297
Tortonian, Greece 33(3-4) 273-297
mires *see* marshes
**modern analogs**
Florida, Invertebrata 34(1-2) 107-115
Pacific Ocean, paleontology 32(3-4) 341-363
**Mollusca**
Ammonoidea, China 32(1-2) 3-29
Pteropoda
Red Sea 33(1-2) 87-107
South China Sea 32(1-2) 115-126
**monsoons**
Red Sea, Quaternary 33(1-2) 87-107
South China Sea, Quaternary 32(1-2) 71-94
morphology *see* functional morphology
**mud**
Arctic Ocean, stratigraphy 34(1-2) 1-27
Nan Hai *see* South China Sea
**nannofossils**
Antarctic Ocean 32(3-4) 387-395
Pliocene 33(3-4) 241-272
Atlantic Ocean, Quaternary 34(1-2) 47-70
China, stratigraphy 32(1-2); 32(1-2) 31-57
Pacific Ocean
paleontology 32(3-4) 341-363
Quaternary 32(1-2) 155-172
South China Sea, Quaternary 32(1-2) 95-114
**Neogene** *see also* Miocene; Pliocene 33(1-2) 109-156
China 32(1-2) 31-57
New Hebrides *see* Vanuatu
**New Zealand**
stratigraphy, Marlborough New Zealand 34(3-4) 245-247
North Africa *see* Tunisia
North Pacific *see* Northwest Pacific
North Polar Sea *see* Arctic Ocean
**North Sea**
Invertebrata 34(1-2) 91-106
Northwest Pacific *see* China Sea; East China Sea; Okinawa Trough; South China Sea; Yellow Sea
**Northwest Territories**
Conodonta, Arctic Archipelago 32(3-4) 365-385
**Northwind Breccia**
Conodonta 32(3-4) 365-385
**Northwind Ridge**
Conodonta 32(3-4) 365-385
O *see* oxygen

**O-18/O-16**
Antarctic Ocean, Pliocene 33(3-4) 241-272
Atlantic Ocean 33(3-4) 223-240
Invertebrata 34(1-2) 29-46
Pliocene 33(3-4) 203-222
Quaternary 33(1-2) 1-25; 34(1-2) 47-70
stratigraphy 33(1-2) 55-86
Korea, Quaternary 34(1-2) 71-89
Red Sea, Quaternary 33(1-2) 87-107
South China Sea, Quaternary 32(1-2) 71-94; 32(1-2) 115-126; 32(1-2) 127-154
Vanuatu, Quaternary 32(3-4) 311-340
**ocean circulation**
Pacific Ocean, paleontology 32(3-4) 341-363
**ocean currents**
Antarctic Ocean, paleobotany 32(3-4) 209-229
Atlantic Ocean, Invertebrata 32(3-4) 249-287; 33(1-2) 27-53
Pacific Ocean 33(3-4) 157-174
Vanuatu, Quaternary 32(3-4) 311-340
Ocean Drilling Program *see* Leg 108; Leg 120; Leg 134
Oceania *see* Melanesia
oceanography *see* continental slope; marine geology; ocean circulation; ocean floors; reefs; sea ice; sea water; sedimentation; sediments
**ODP Site 659**
Pliocene 33(3-4) 203-222
**ODP Site 665**
Pliocene 33(3-4) 203-222
**ODP Site 748**
Pliocene 33(3-4) 241-272
**ODP Site 751**
Pliocene 33(3-4) 241-272
**ODP Site 828**
Quaternary 32(3-4) 311-340
**Okinawa Trough**
Quaternary 32(1-2) 59-69
**Oligocene**
China 32(1-2) 31-57
Orbitoidacea *see* Amphistegina; Cibicides
**organic carbon**
Atlantic Ocean, Invertebrata 32(3-4) 289-310
**organic compounds** *see also* ketones; sapropel; total organic carbon
Arctic Ocean, stratigraphy 34(1-2) 1-27
**Ostracoda**
China, stratigraphy 32(1-2)
East China Sea 32(1-2) 195-207
Yellow Sea 32(1-2) 195-207
**oxygen**
Adriatic Sea, Invertebrata 34(1-2) 91-106
Atlantic Ocean, Invertebrata 32(3-4) 249-287
North Sea, Invertebrata 34(1-2) 91-106
O-18/O-16
Antarctic Ocean 33(3-4) 241-272
Atlantic Ocean 33(1-2) 1-25; 33(1-2) 55-86; 33(3-4) 203-222; 33(3-4) 223-240; 34(1-2) 29-46; 34(1-2) 47-70
Korea 34(1-2) 71-89
Red Sea 33(1-2) 87-107
South China Sea 32(1-2) 71-94; 32(1-2) 115-126; 32(1-2) 127-154
Vanuatu 32(3-4) 311-340
**Pacific Ocean** *see also* El Nino; North Pacific; South Pacific; West Pacific
paleontology, Chatham Rise 32(3-4) 341-363
Quaternary
Banda Sea 32(3-4) 311-340
China Sea 32(1-2) 155-172
Okinawa Trough 32(1-2) 59-69
Radiolaria, Banda Sea 33(3-4) 299-307
stratigraphy 33(1-2) 109-156
**paleo-oceanography**
Antarctic Ocean 33(3-4) 241-272
Arctic Ocean 34(1-2) 1-27
Atlantic Ocean 33(3-4) 203-222
Quaternary 34(1-2) 47-70
China 32(1-2)
Pacific Ocean, Quaternary 32(1-2) 59-69
Red Sea, Quaternary 33(1-2) 87-107
South China Sea, Quaternary 32(1-2) 71-94; 32(1-2) 95-114; 32(1-2) 115-126; 32(1-2) 127-154
Vanuatu, Quaternary 32(3-4) 311-340
paleobiogeography *see* biogeography
**Paleocene**
K-T boundary
Atlantic Ocean 33(1-2) 55-86
New Zealand 34(3-4) 245-247
Tunisia 32(3-4) 397-399; 32(3-4) 399
lower Paleocene 33(1-2) 109-156
**paleoclimatology** *see also* C-13/C-12; glaciation; last glacial maximum; O-18/O-16
Antarctic Ocean 32(3-4) 231-248
Coral Sea 32(3-4) 231-248
Pacific Ocean, Quaternary 32(1-2) 59-69
**paleoecology** *see also* biogeography; biologic evolution; ichnofacies
Atlantic Ocean 33(1-2) 1-25
Greece 33(3-4) 273-297
Ireland 34(3-4) 187-211
South China Sea, Quaternary 32(1-2) 95-114
**Paleogene** *see also* Eocene; Oligocene; Paleocene
China 32(1-2) 3-29
**paleogeography** *see also* basins; biogeography; transgression
Northwest Territories 32(3-4) 365-385
Vanuatu, Quaternary 32(3-4) 311-340
paleontology *see* Bryozoa; Conodonta; Echinodermata; Foraminifera; ichnofossils; Ostracoda; Radiolaria
**paleosalinity**
Greece 33(3-4) 273-297
Red Sea, Quaternary 33(1-2) 87-107
**Paleozoic** *see also* Carboniferous
Northwest Territories 32(3-4) 365-385
**palynomorphs**
acritarchs, Arctic Ocean 34(1-2) 1-27
Dinoflagellata
Arctic Ocean 34(1-2) 1-27
Atlantic Ocean 33(1-2) 1-25
Greece 33(3-4) 273-297
**Parakrithe**
Ostracoda 32(1-2) 195-207
**Parmales**
paleobotany 32(3-4) 387-395
Pearl River, China *see* Zhujiang River
**peat**
Connecticut, ecology 33(3-4) 175-202
Massachusetts, ecology 33(3-4) 175-202
**Pentalamina corona**
paleobotany 32(3-4) 387-395
**phylogeny**
Pacific Ocean, Radiolaria 33(3-4) 299-307
Vertebrata 34(3-4) 247-251
phytogeography *see* biogeography
**Planoglobulina**
Invertebrata 34(1-2) 29-46
**Planoglobulina acervulinoides**
Invertebrata 34(1-2) 29-46
**Planoglobulina multicamerata**
Invertebrata 34(1-2) 29-46
Plantae *see* algae
**Pleistocene**
China 32(1-2) 31-57
Eemian, Atlantic Ocean 34(1-2) 47-70
Pacific Ocean 32(1-2) 59-69; 32(3-4) 341-363
Red Sea 33(1-2) 87-107
South China Sea 32(1-2) 71-94; 32(1-2) 95-114; 32(1-2) 115-126; 32(1-2) 127-154
pleniglacial, last *see* last glacial maximum
**Pliocene**
Antarctic Ocean 33(3-4) 241-272
Atlantic Ocean 33(3-4) 203-222
**Polycystinea**
Radiolaria 33(3-4) 299-307
Polyzoa *see* Bryozoa
Postglacial *see* Holocene
**prasinophytes**
Arctic Ocean, stratigraphy 34(1-2) 1-27
**problematic fossils**
Calcisphaerulidae, China 32(1-2) 3-29
**Protista** *see also* Radiolaria
Ammonia beccarii

France 34(3-4) 235-244
Korea 34(1-2) 71-89
Amphistegina, Florida 34(1-2) 107-115
Calpionella, China 32(1-2) 3-29
Cibicides
Antarctic Ocean 32(3-4) 231-248
Coral Sea 32(3-4) 231-248
Elphidium, Korea 34(1-2) 71-89
Foraminifera 34(3-4) 247-251
Arctic Ocean 34(3-4) 153-185
Atlantic Ocean 32(3-4) 249-287; 32(3-4) 289-310; 33(1-2) 27-53; 33(1-2) 55-86; 33(3-4) 223-240; 34(1-2) 29-46; 34(3-4) 213-234
China 32(1-2) ; 32(1-2) 3-29
Connecticut 33(3-4) 175-202
Indian Ocean 34(1-2) 117-120; 34(3-4) 121-151
Ireland 34(3-4) 187-211
Massachusetts 33(3-4) 175-202
Pacific Ocean 32(1-2) 59-69; 32(3-4) 341-363; 33(3-4) 157-174
Red Sea 33(1-2) 87-107
South China Sea 32(1-2) 71-94; 32(1-2) 127-154
Tunisia 32(3-4) 397-399; 32(3-4) 399
Vanuatu 32(3-4) 311-340
Globorotalia, Atlantic Ocean 33(3-4) 203-222
Quinqueloculina
Adriatic Sea 34(1-2) 91-106
North Sea 34(1-2) 91-106
Silicoflagellata, Antarctic Ocean 33(3-4) 241-272
Uvigerina
Antarctic Ocean 32(3-4) 231-248
Coral Sea 32(3-4) 231-248
**Prydz Bay**
Invertebrata 32(3-4) 231-248
paleobotany 32(3-4) 209-229
**Pseudoguembelina palpebra**
Invertebrata 34(1-2) 29-46
**Pteropoda**
Red Sea, Quaternary 33(1-2) 87-107
South China Sea, Quaternary 32(1-2) 115-126
**Pulleniatina obliquiloculata**
Quaternary 32(1-2) 59-69
**Quaternary** *see also* Holocene; last glacial maximum; Pleistocene
Antarctic Ocean 32(3-4) 209-229
Atlantic Ocean 33(1-2) 1-25; 34(3-4) 213-234
**Quinqueloculina**
Adriatic Sea 34(1-2) 91-106
North Sea 34(1-2) 91-106
**Quinqueloculina seminula**
Invertebrata 34(1-2) 91-106
**Racemmiguembelina fructicosa**
Invertebrata 34(1-2) 29-46
radiocarbon dating *see* C-14
**Radiolaria**
China, stratigraphy 32(1-2)
New Zealand, stratigraphy 34(3-4) 245-247
Pacific Ocean 33(3-4) 299-307
South China Sea 32(1-2) 173-194
stratigraphy 33(1-2) 109-156
rate of sedimentation *see* sedimentation rates
Recent *see* Holocene
**Red Sea**
Quaternary 33(1-2) 87-107
**reefs**
Florida, Invertebrata 34(1-2) 107-115
**Reticulofenestra**
stratigraphy 32(1-2) 31-57
**Rio Grande Rise**
Invertebrata 32(3-4) 289-310
Rotaliacea *see* Ammonia; Elphidium
Rotaliina *see* Buliminacea; Globigerinacea; Orbitoidacea; Rotaliacea
**salt marshes**
Connecticut, ecology 33(3-4) 175-202
Massachusetts, ecology 33(3-4) 175-202
**sapropel**
Greece, stratigraphy 33(3-4) 273-297
sea floors *see* ocean floors
**sea ice**
Antarctic Ocean, paleobotany 32(3-4) 209-229; 32(3-4) 387-395
sea surface temperature *see* sea-surface temperature
**sea water**
South China Sea, Quaternary 32(1-2) 71-94
**sea-level changes** *see also* transgression
Pacific Ocean 32(1-2) 59-69
South China Sea, Quaternary 32(1-2) 115-126
**sea-surface temperature**
Atlantic Ocean 34(3-4) 213-234
Quaternary 33(1-2) 1-25
Pacific Ocean, paleontology 32(3-4) 341-363
seawater *see* sea water
sedimentary petrology *see* reefs; sedimentation; sediments
**sedimentary structures**
bioturbation
Connecticut 33(3-4) 175-202
Massachusetts 33(3-4) 175-202
**sedimentation** *see also* sedimentation rates
marine sedimentation, Antarctic Ocean 32(3-4) 209-229
**sedimentation rates**
South China Sea, Quaternary 32(1-2) 71-94
Vanuatu, Quaternary 32(3-4) 311-340
**sediments** *see also* peat
Adriatic Sea, Invertebrata 34(1-2) 91-106
Atlantic Ocean
Quaternary 33(1-2) 1-25
stratigraphy 33(1-2) 55-86
carbonate sediments, Red Sea 33(1-2) 87-107
marine sediments
Antarctic Ocean 32(3-4) 387-395
Arctic Ocean 34(3-4) 153-185
Atlantic Ocean 32(3-4) 249-287; 33(3-4) 223-240; 34(3-4) 213-234
East China Sea 32(1-2) 195-207
Pacific Ocean 32(1-2) 155-172; 32(3-4) 341-363
Red Sea 33(1-2) 87-107
South China Sea 32(1-2) 173-194
Vanuatu 32(3-4) 311-340
Yellow Sea 32(1-2) 195-207
mud, Arctic Ocean 34(1-2) 1-27
North Sea, Invertebrata 34(1-2) 91-106
Senonian *see* Campanian; Maestrichtian
**Silicoflagellata**
Antarctic Ocean, Pliocene 33(3-4) 241-272
slope, continental *see* continental slope
South Atlantic *see* Angola Basin; Cape Basin; Rio Grande Rise; Walvis Ridge
**South China Sea** *see also* Zhujiang River
Quaternary 32(1-2) 71-94; 32(1-2) 95-114; 32(1-2) 115-126; 32(1-2) 127-154; 32(3-4) 311-340
Radiolaria 32(1-2) 173-194
South Pacific *see* Chatham Rise
Southern Europe *see* Greece
Southwest Pacific *see* Banda Sea; Coral Sea
**Spumellarida**
Radiolaria 33(3-4) 299-307
**Sr/Ca**
Antarctic Ocean, Invertebrata 32(3-4) 231-248
Coral Sea, Invertebrata 32(3-4) 231-248
stable isotopes *see* C-13/C-12; O-18/O-16
**stratigraphic boundary** *see also* K-T boundary
China, stratigraphy 32(1-2) 31-57
Pacific Ocean, Quaternary 32(1-2) 59-69
stratigraphy *see* Cretaceous; Eocene; Holocene; Neogene; Oligocene; Paleogene; Paleozoic; Pleistocene; Pliocene; Quaternary; Triassic
**strontium**
Sr/Ca
Antarctic Ocean 32(3-4) 231-248
Coral Sea 32(3-4) 231-248
structural basins *see* basins
submarine geology *see* marine geology
**Syracosphaera pulchra**
Quaternary 34(1-2) 47-70
Tertiary *see* Neogene; Paleogene

Tetrabranchiata *see* Ammonoidea
**Tetrapetalon elegans**
Radiolaria 33(3-4) 299-307
Tibet China *see* Xizang China
Tintinnidae *see* Calpionella
**Tortonian**
Greece 33(3-4) 273-297
**total organic carbon**
Atlantic Ocean, Quaternary 33(1-2) 1-25
South China Sea, Quaternary 32(1-2) 71-94
**transgression**
Arctic Ocean, stratigraphy 34(1-2) 1-27
China, stratigraphy 32(1-2) 3-29
Korea, Quaternary 34(1-2) 71-89
**Triassic**
Northwest Territories 32(3-4) 365-385
**Trifarina angulosa**
Invertebrata 32(3-4) 231-248
**Triparma laevis**
paleobotany 32(3-4) 387-395
**Tunisia**
Invertebrata, El Kef Tunisia 32(3-4) 397-399; 32(3-4) 399
United States *see* Connecticut; Florida; Massachusetts
Upper Cretaceous *see* K-T boundary; Senonian
upper Miocene *see* Messinian; Tortonian
upper Pleistocene *see* Eemian
**Uvigerina**
Antarctic Ocean 32(3-4) 231-248
Coral Sea 32(3-4) 231-248
**Vanuatu**
Quaternary 32(3-4) 311-340
**Visean**
Ireland 34(3-4) 187-211
Walvis Basin *see* Cape Basin
**Walvis Ridge**
Invertebrata 32(3-4) 249-287
**Weddell Sea**
paleobotany 32(3-4) 387-395
West Pacific *see* Indonesian Seas; Northwest Pacific; Southwest Pacific
Western Europe *see* France; Ireland
**Western Pacific Warm Pool**
marine geology 34(3-4) 121-151
**Xizang China**
stratigraphy 32(1-2) 3-29
**Yellow Sea**
Ostracoda 32(1-2) 195-207
Quaternary 34(1-2) 71-89
**Yeu**
paleontology 34(3-4) 235-244
Zaire River *see* Congo River
**Zhujiang River**
stratigraphy 32(1-2) 31-57